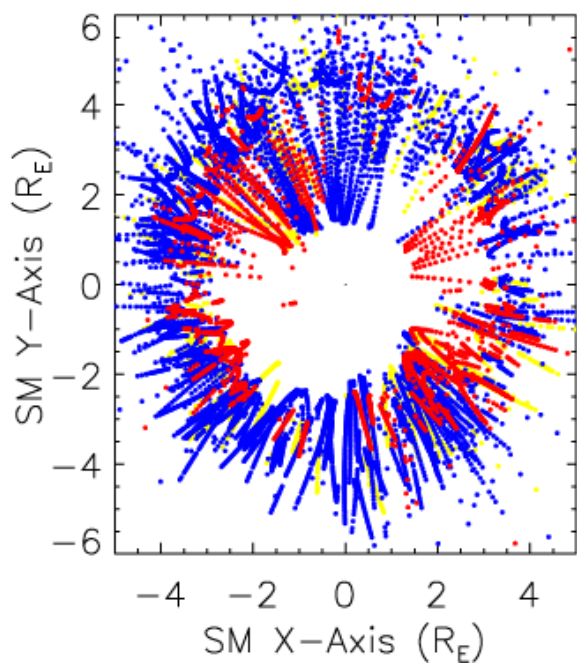


Observed Plasmaspheric Ion Densities and Temperatures

D.L. Gallagher, P.D. Craven, H.
Comfort

All Cases

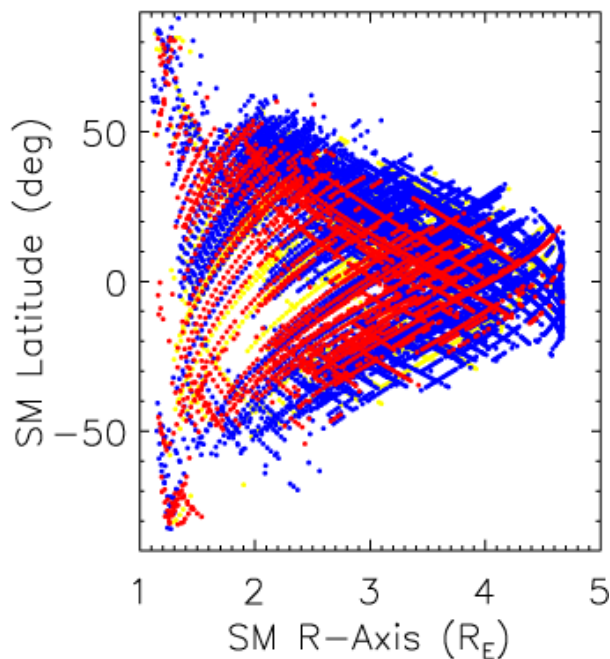


Retarding Ion Mass Spectrometer 1981-1984

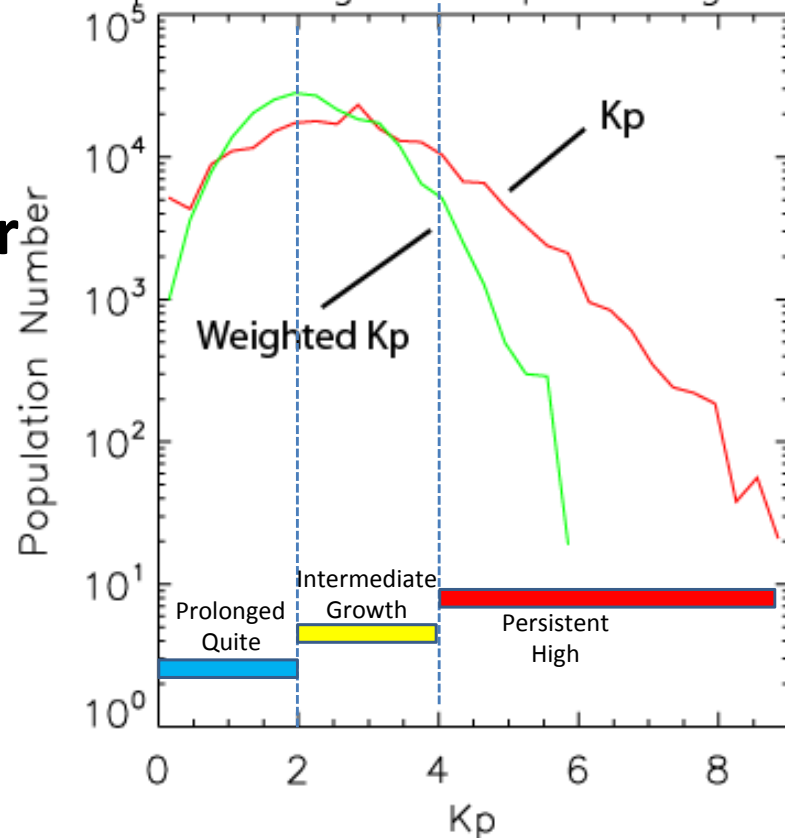
Weighted Kp

$$\frac{\sum_{t=-5}^0 Kp \cdot e^{t_{\text{days}}/1.5}}{\sum_{t=-5}^0 e^{t_{\text{days}}/1.5}}$$

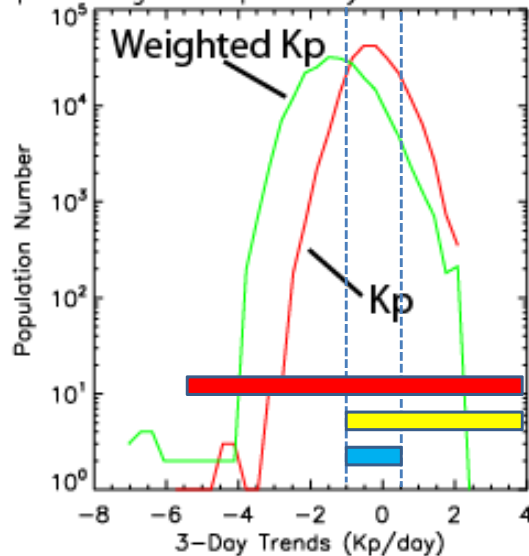
All Cases



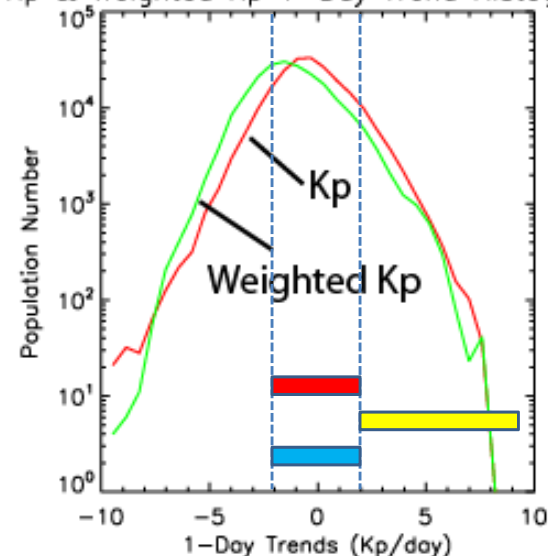
Kp & Weighted Kp Histograms



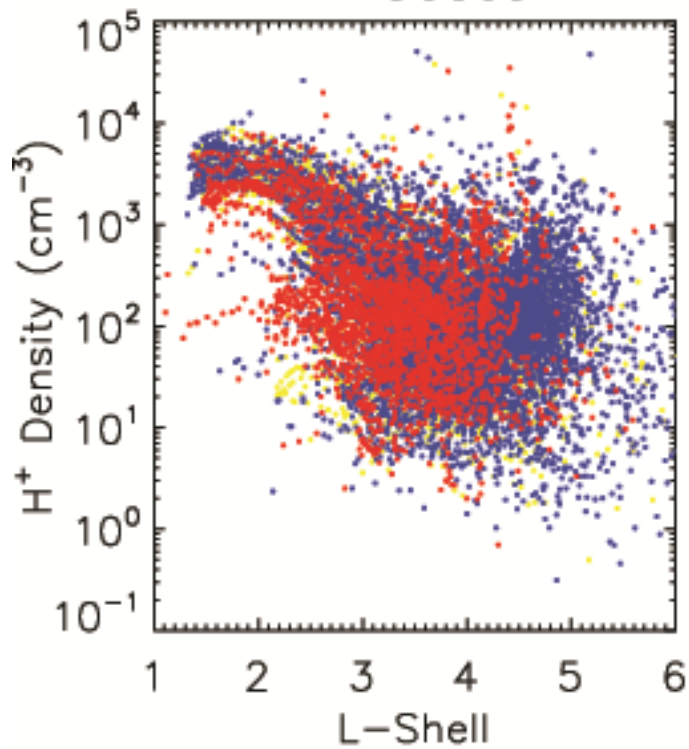
Kp & Weighted Kp 3-Day Trend Histograms



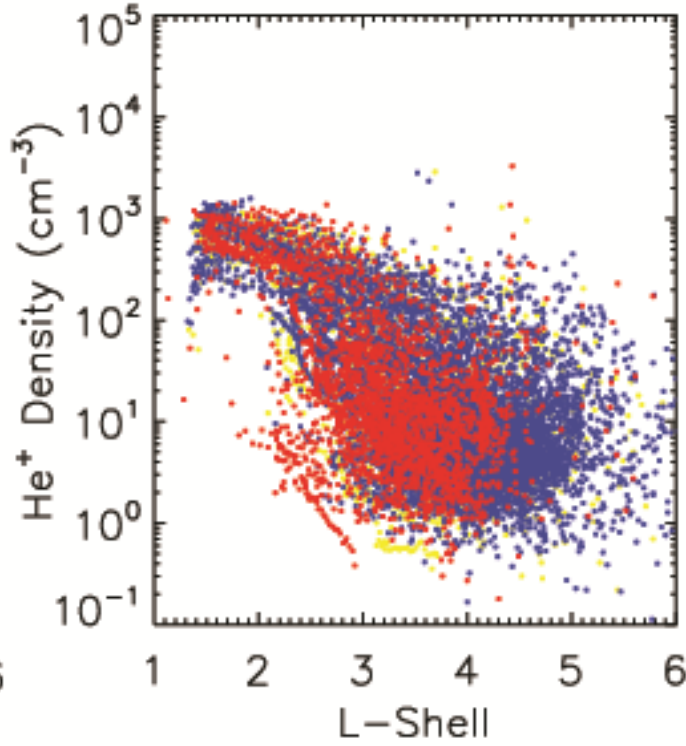
Kp & Weighted Kp 1-Day Trend Histograms



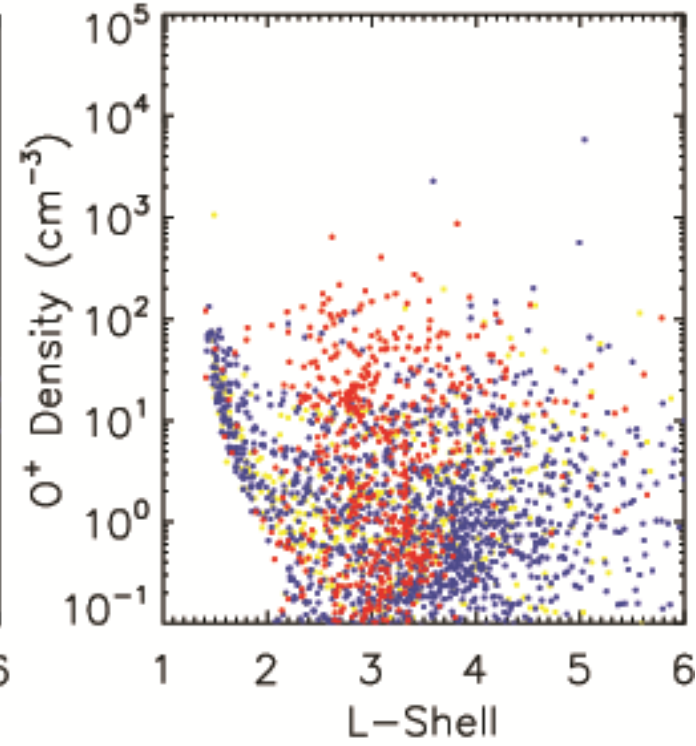
All Cases



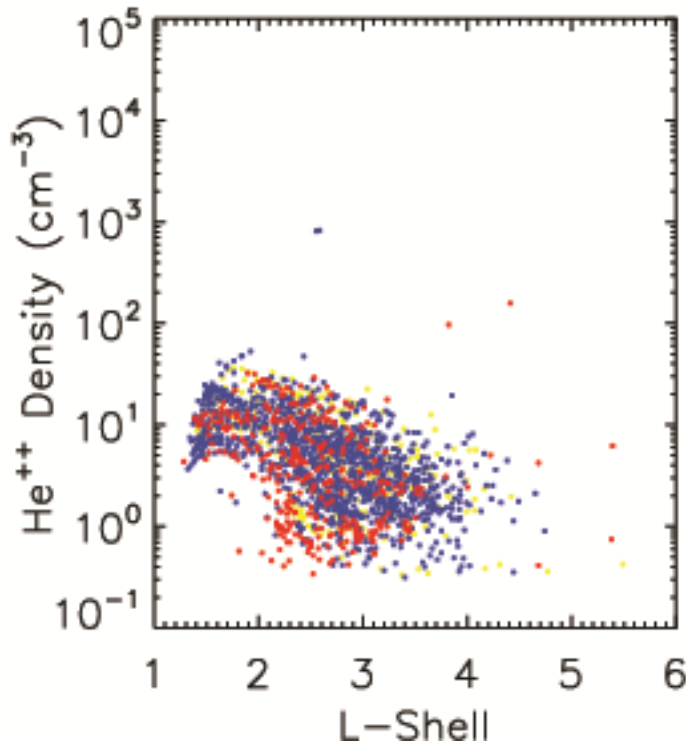
All Cases



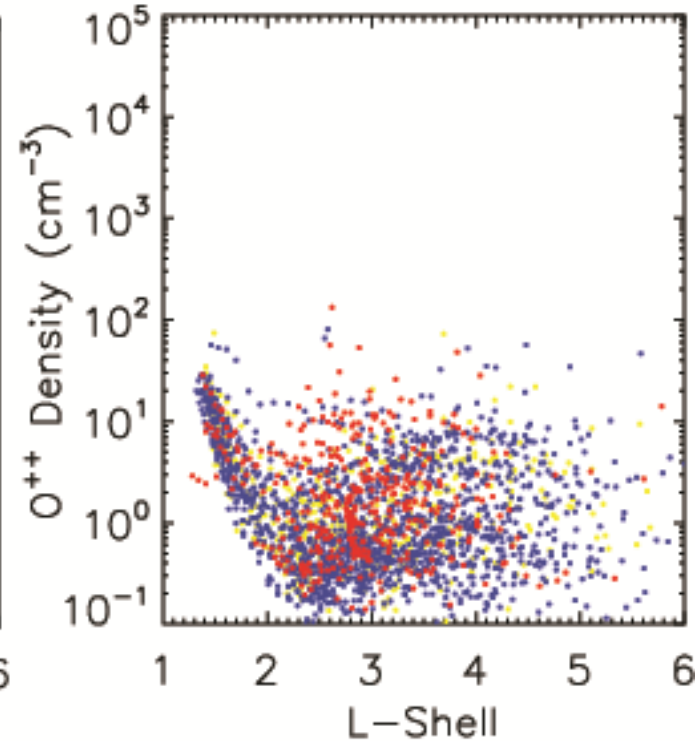
All Cases



All Cases

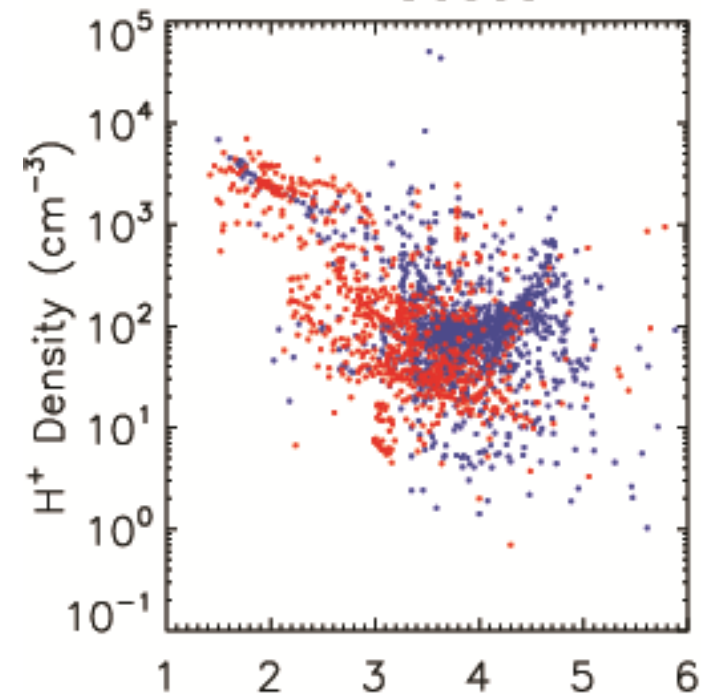


All Cases

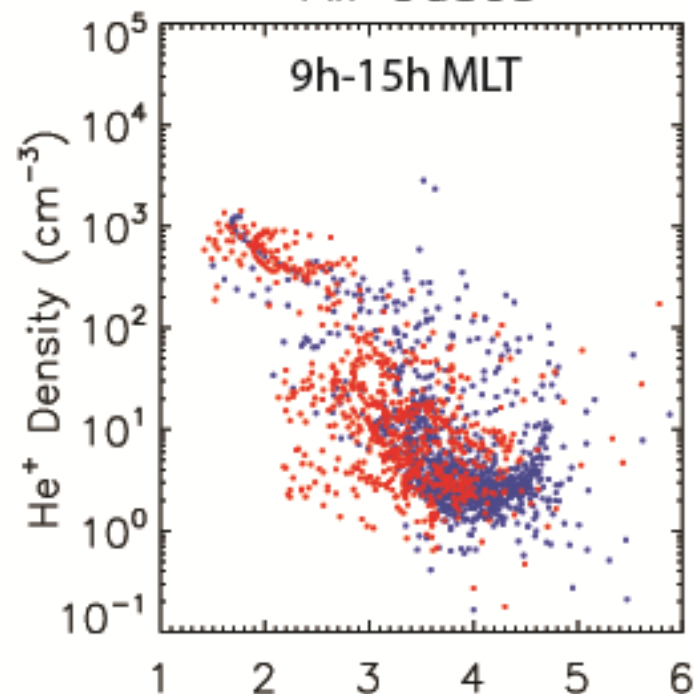


H^+ , He^+ , O^+ , He^{++} ,
 O^{++} Densities

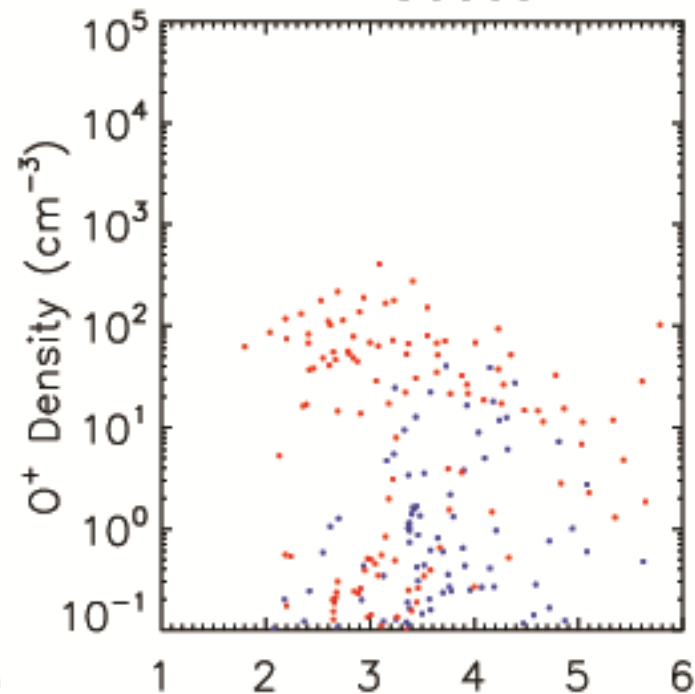
All Cases



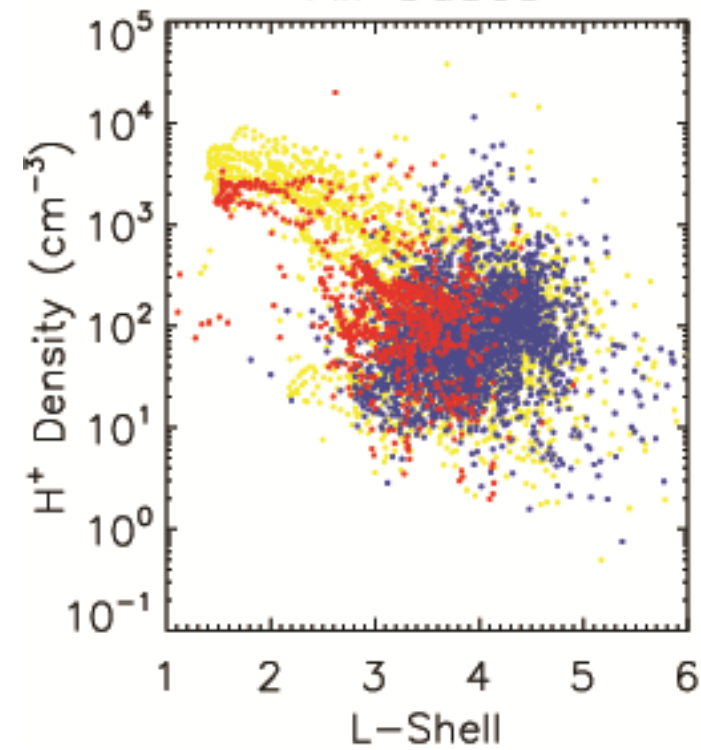
All Cases



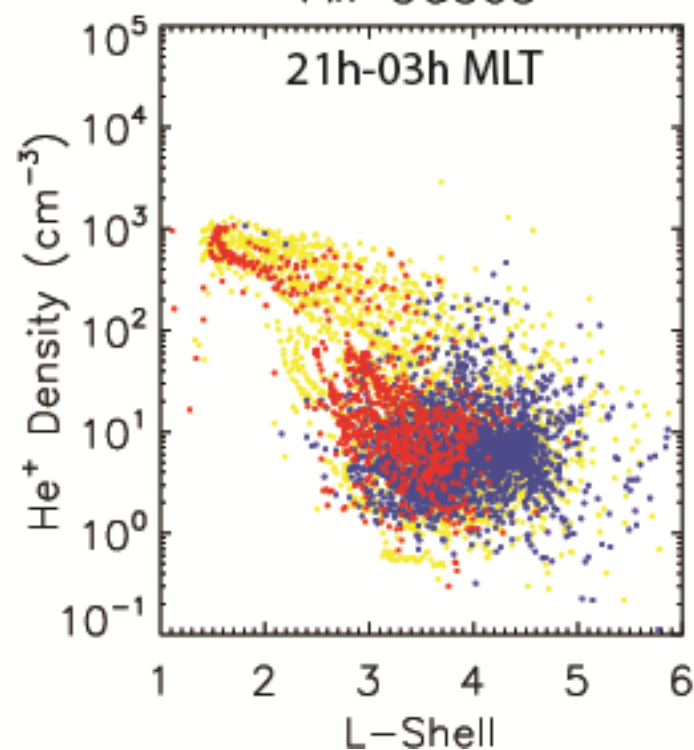
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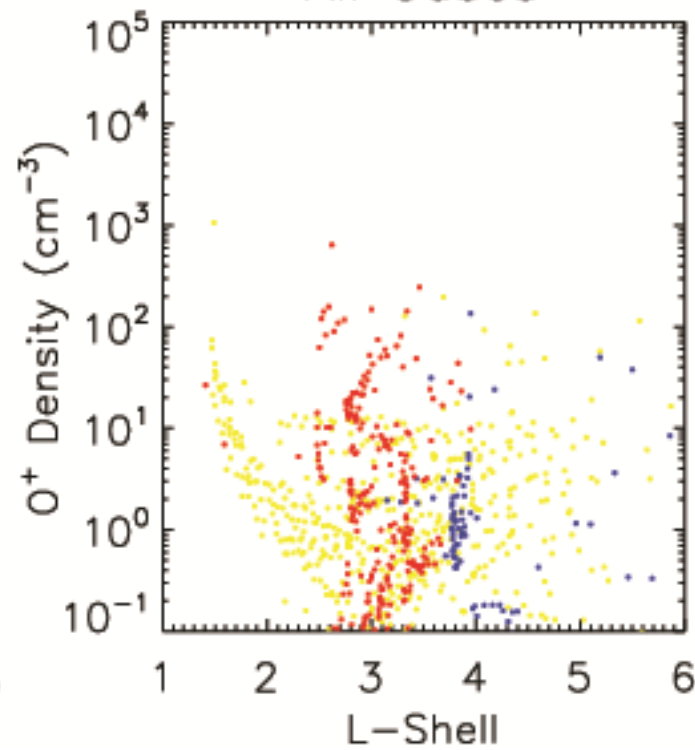
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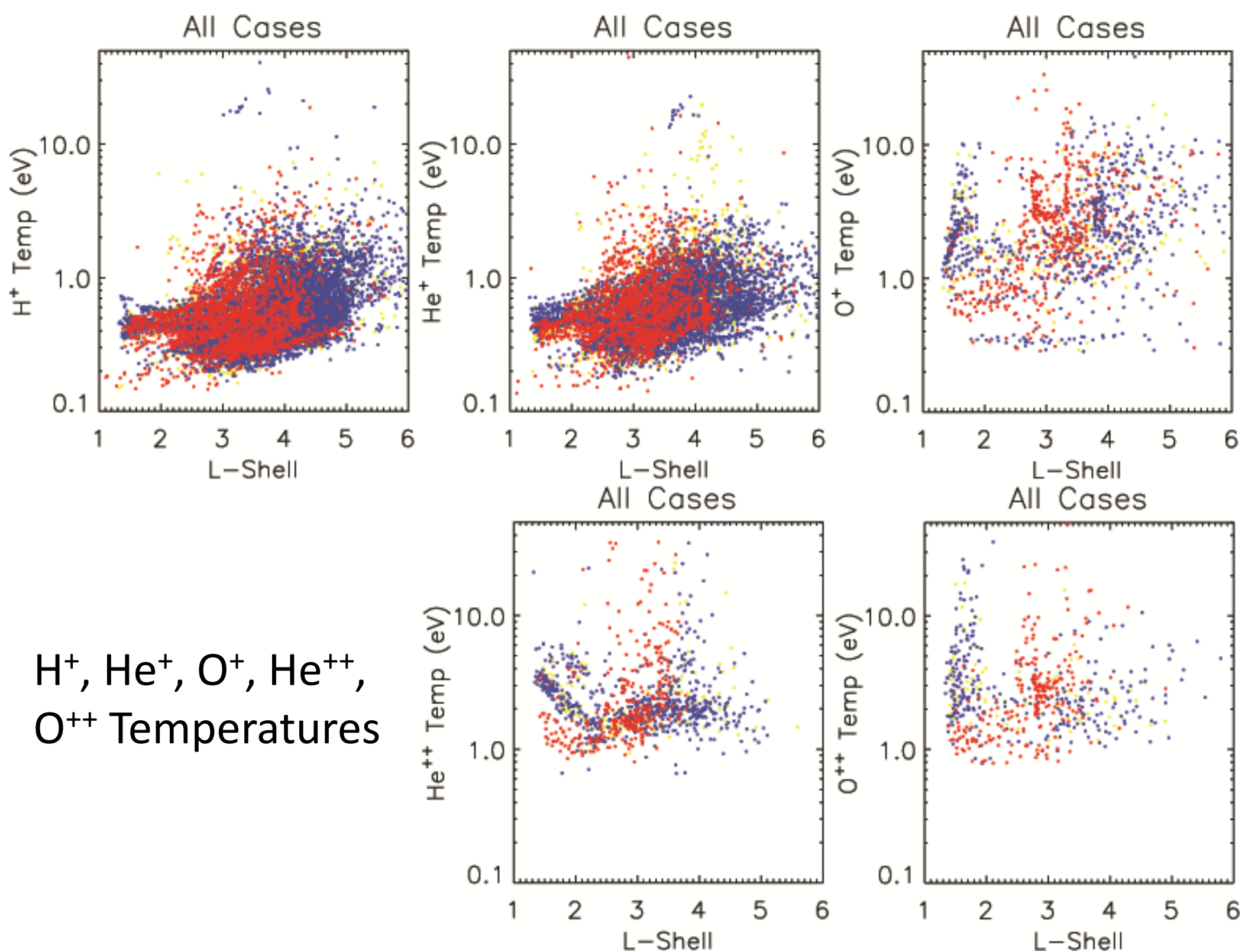


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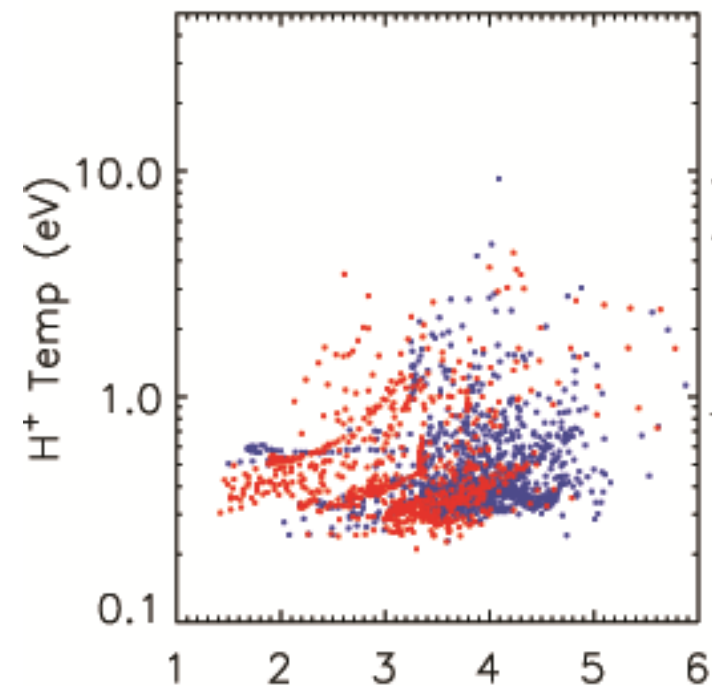


All Cases

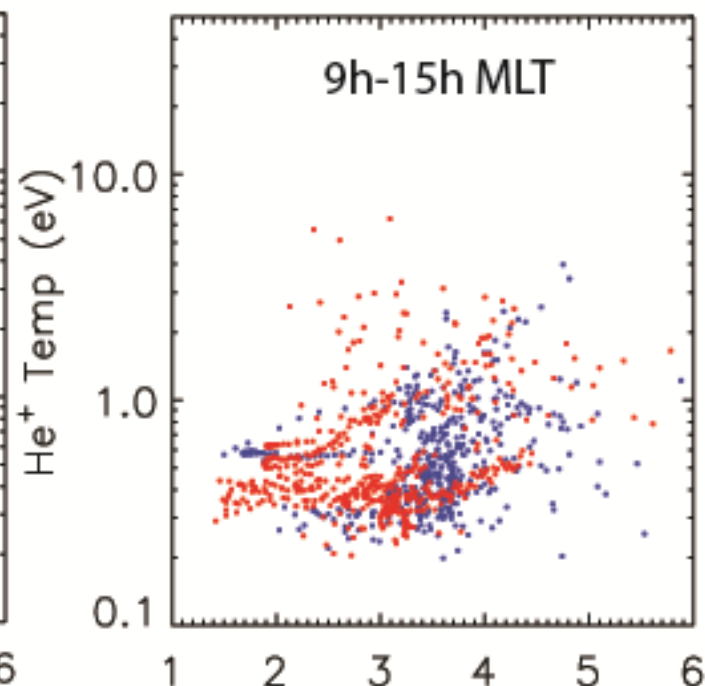




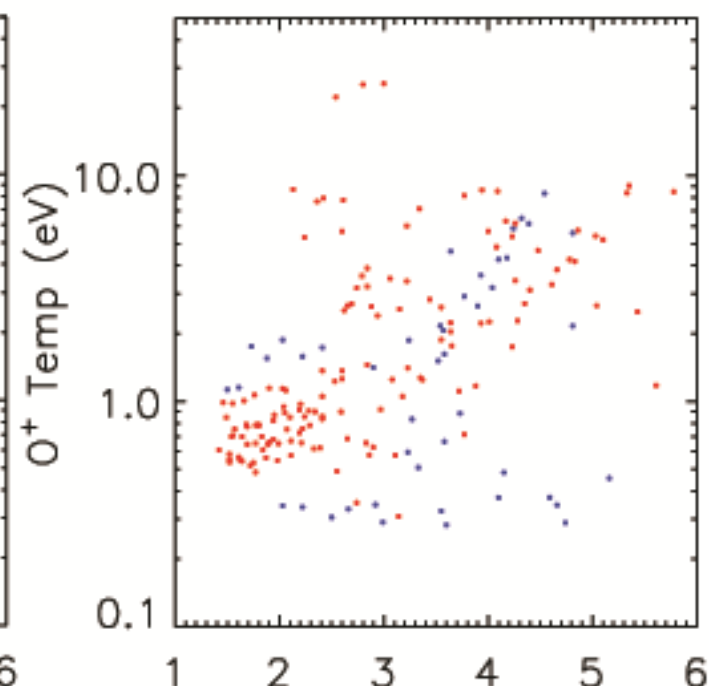
All Cases



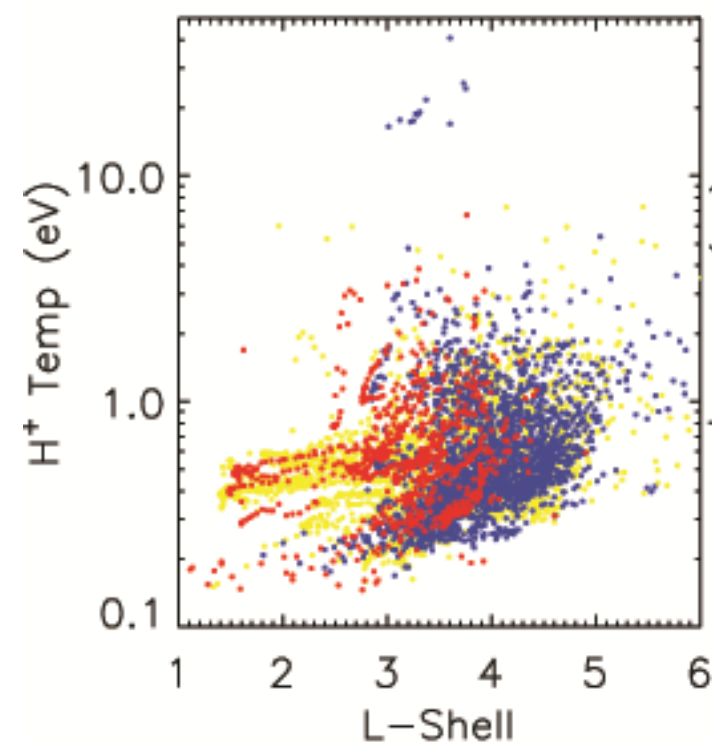
All Cases



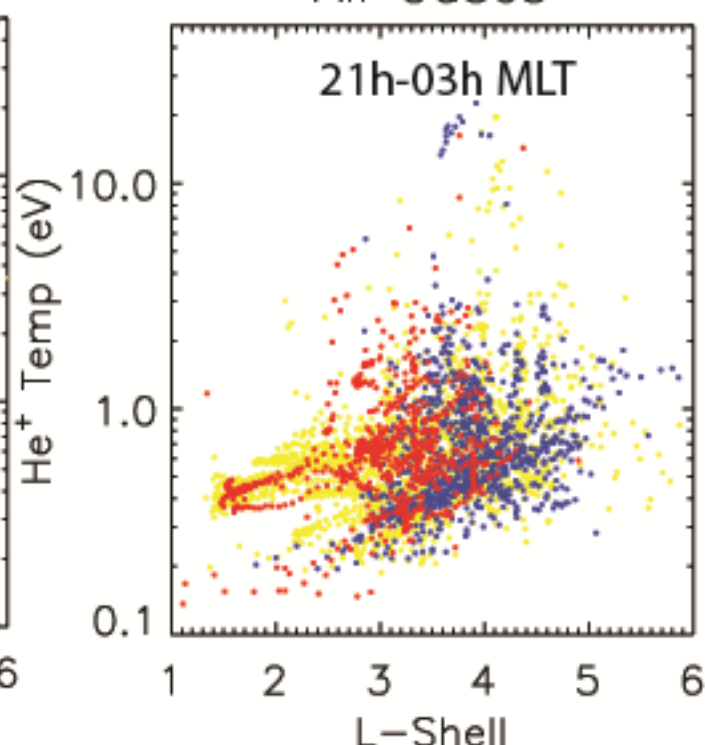
All Cases



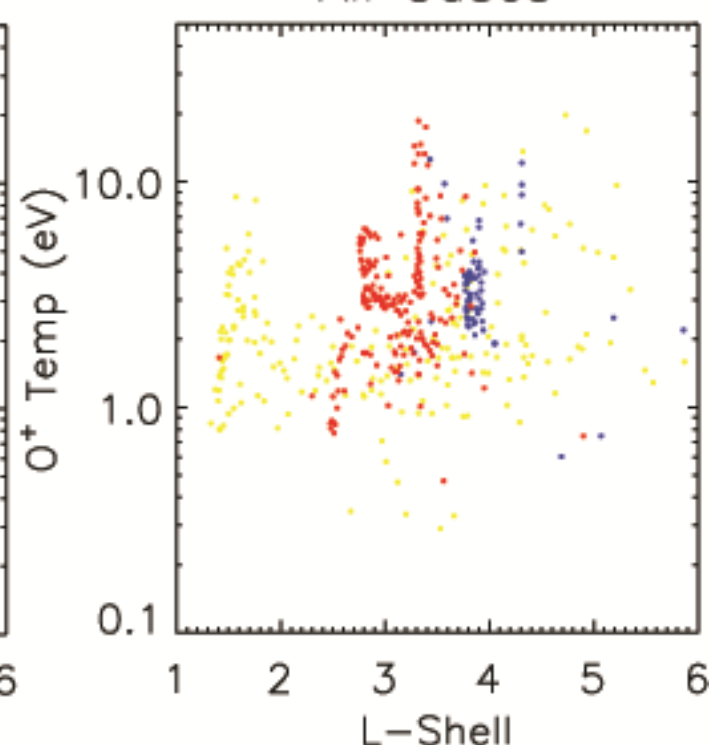
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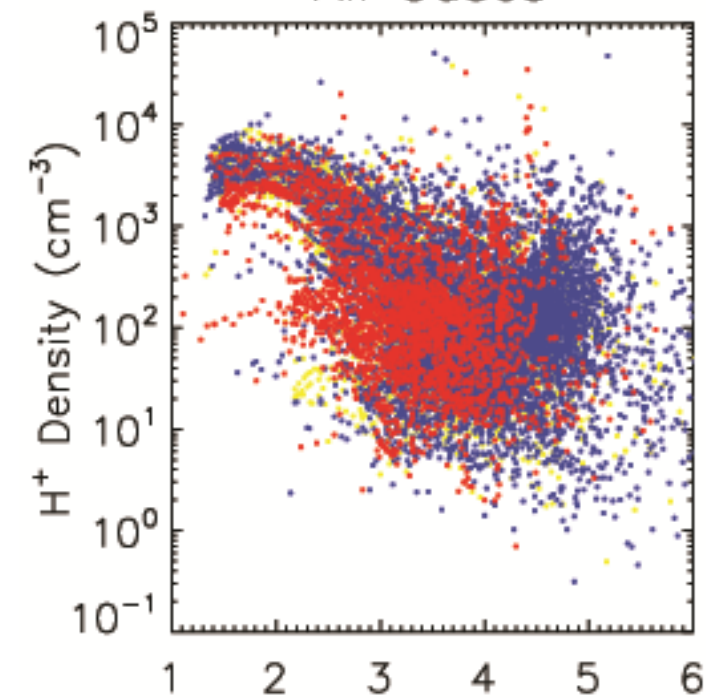
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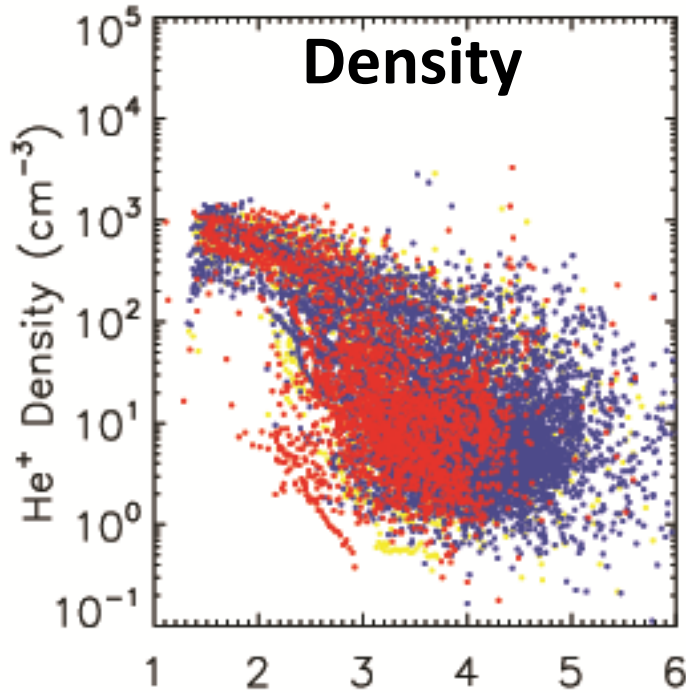
All Cases



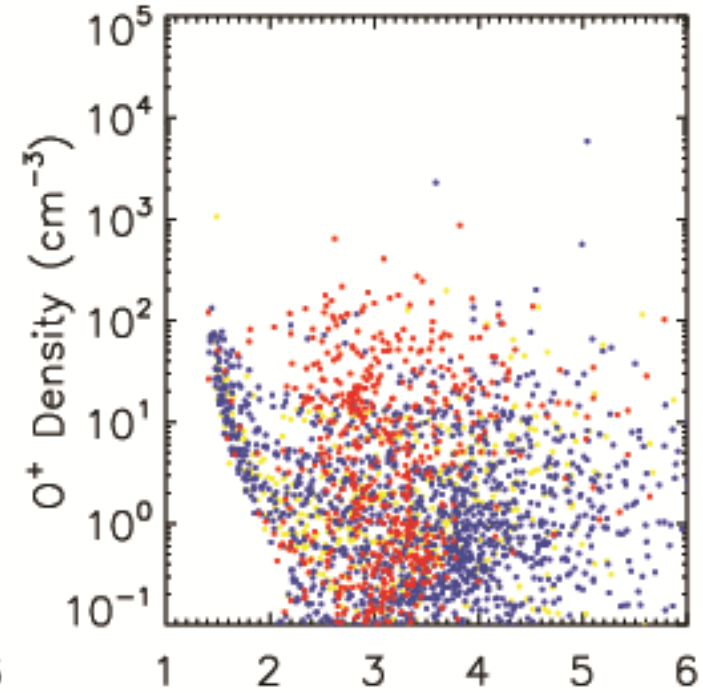
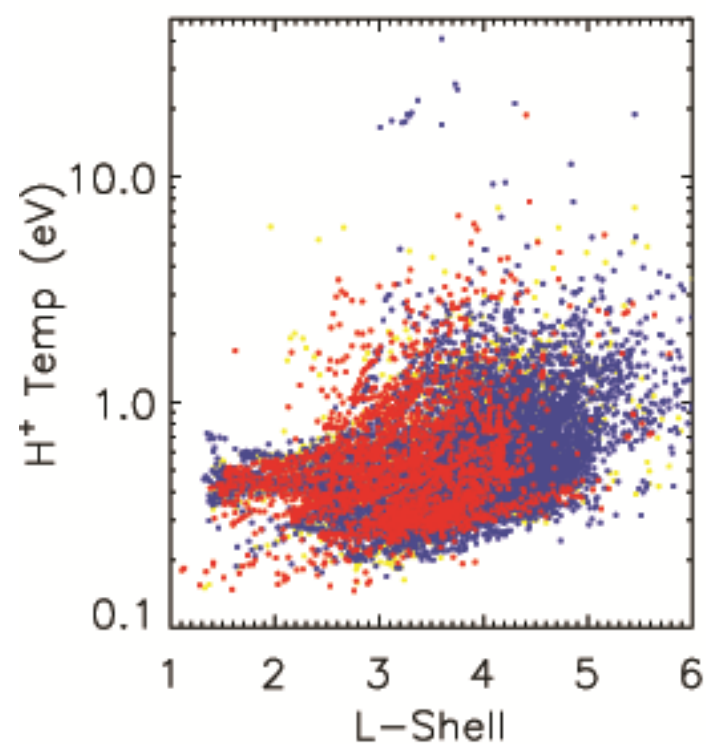
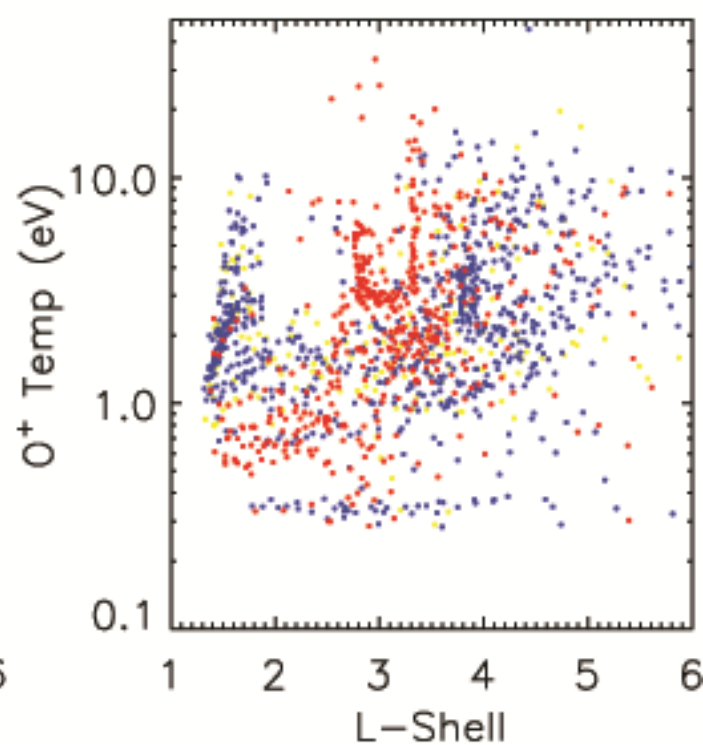
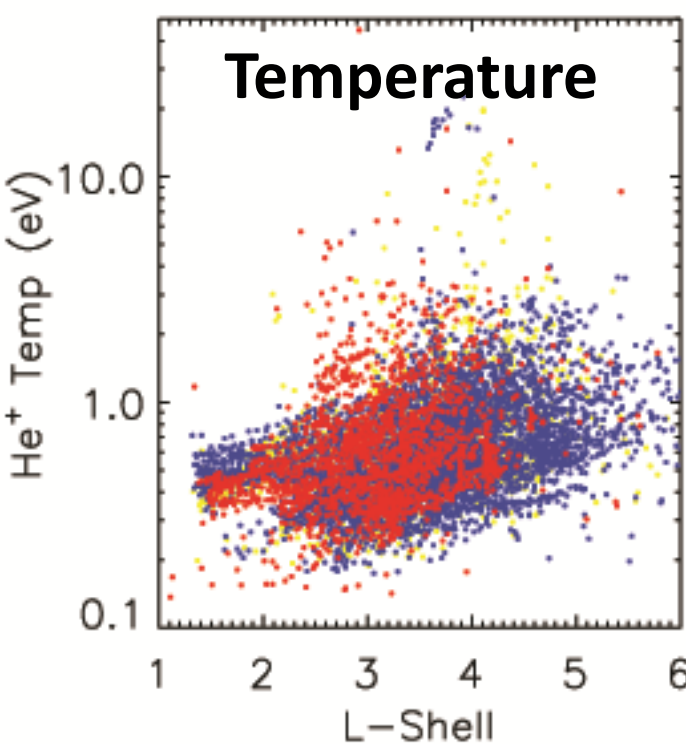
All Cases



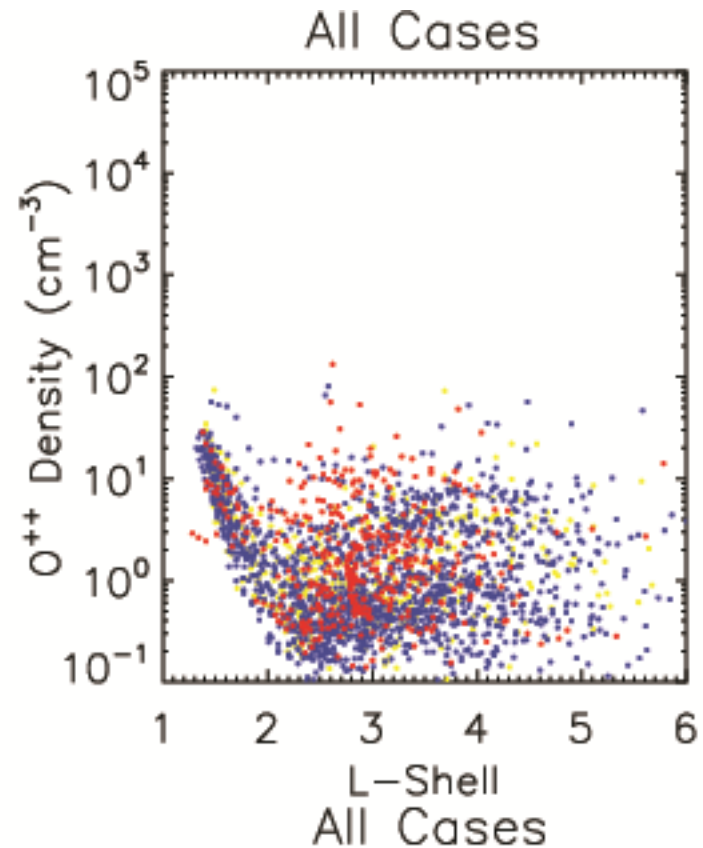
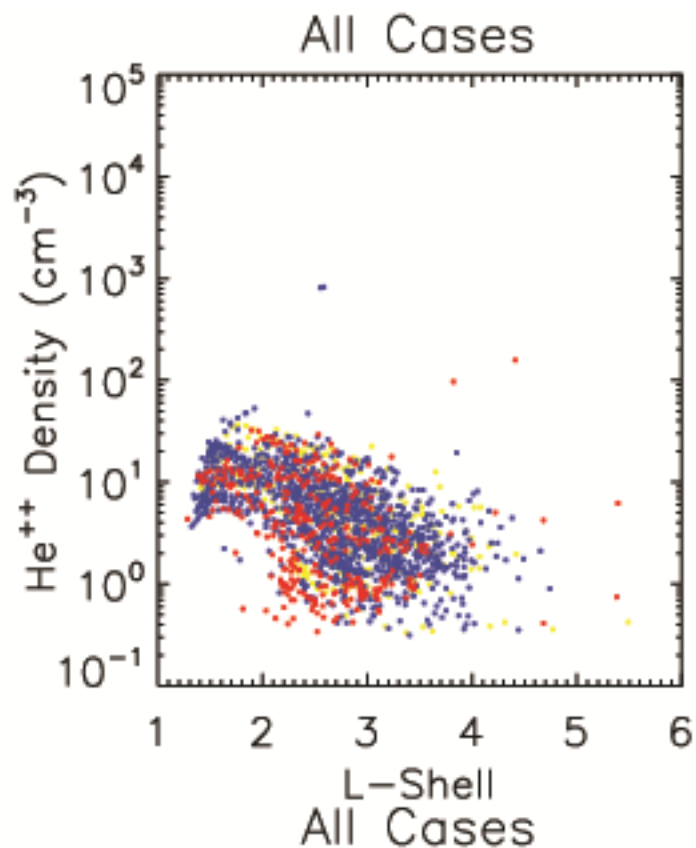
All Cases



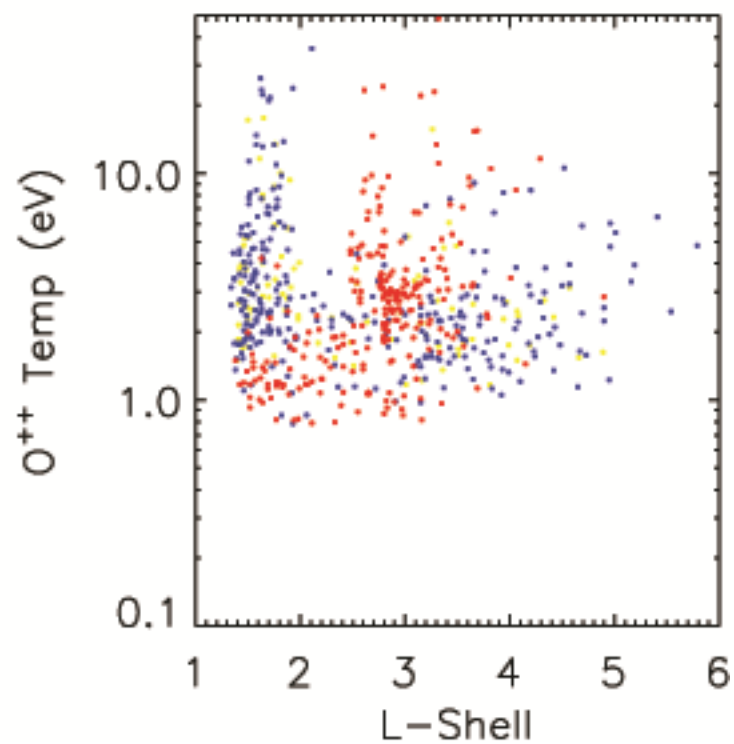
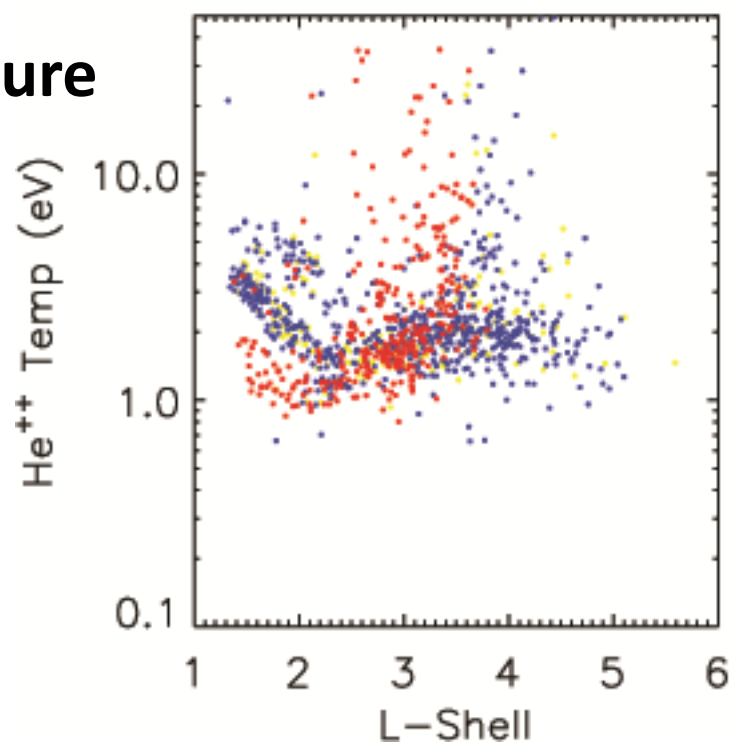
All Cases

L-Shell
All CasesL-Shell
All CasesL-Shell
All Cases**Temperature**

Density



Temperature



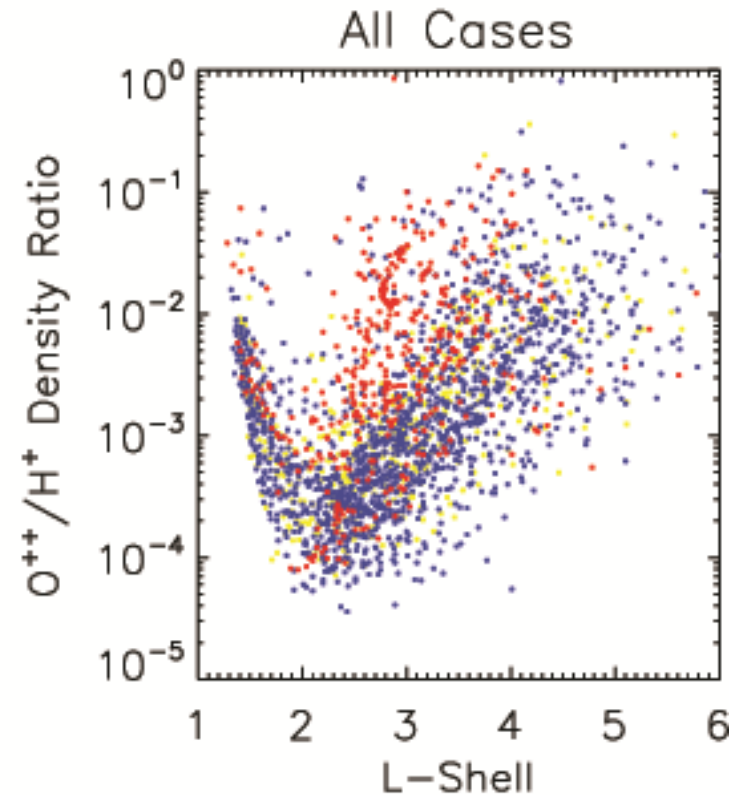
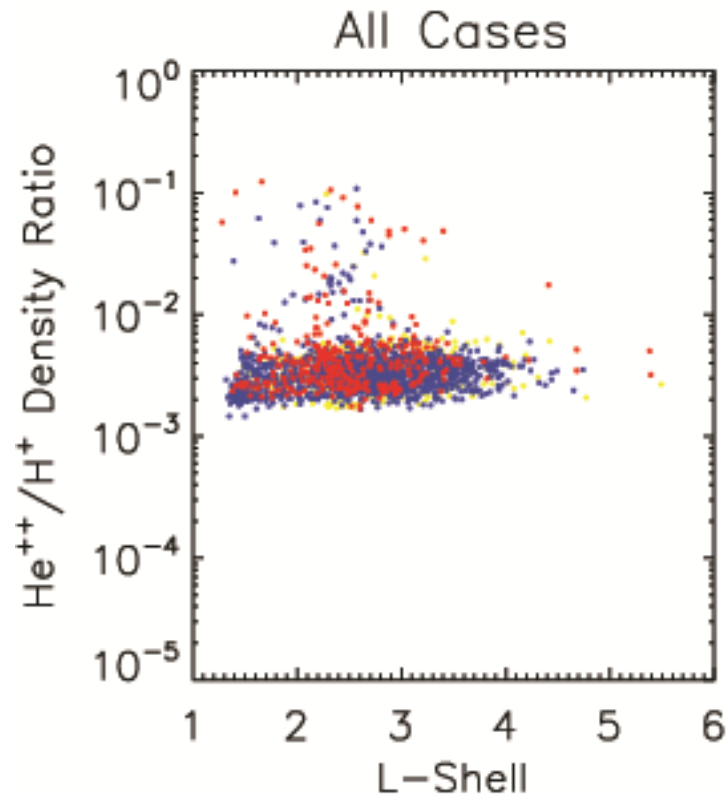
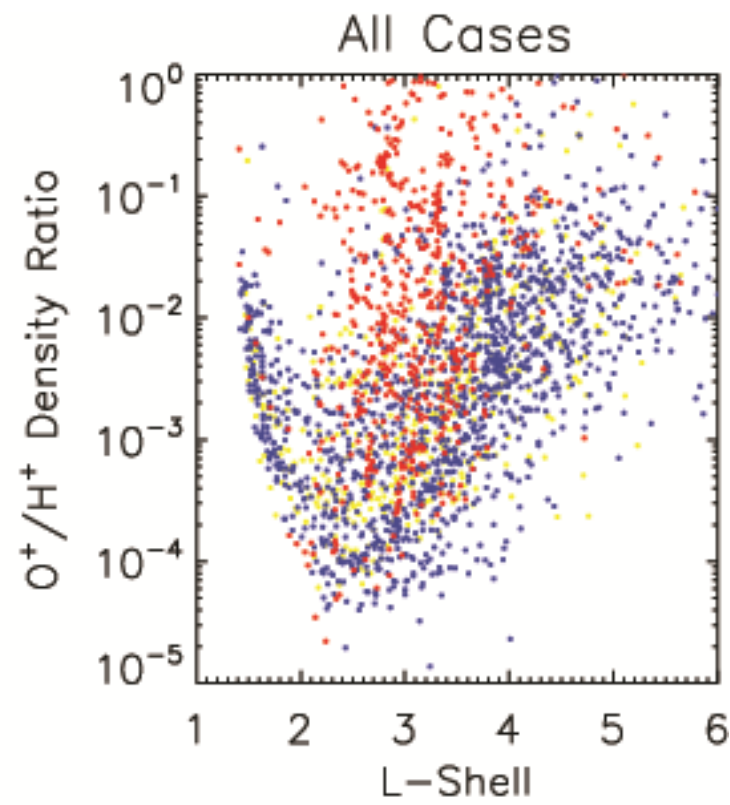
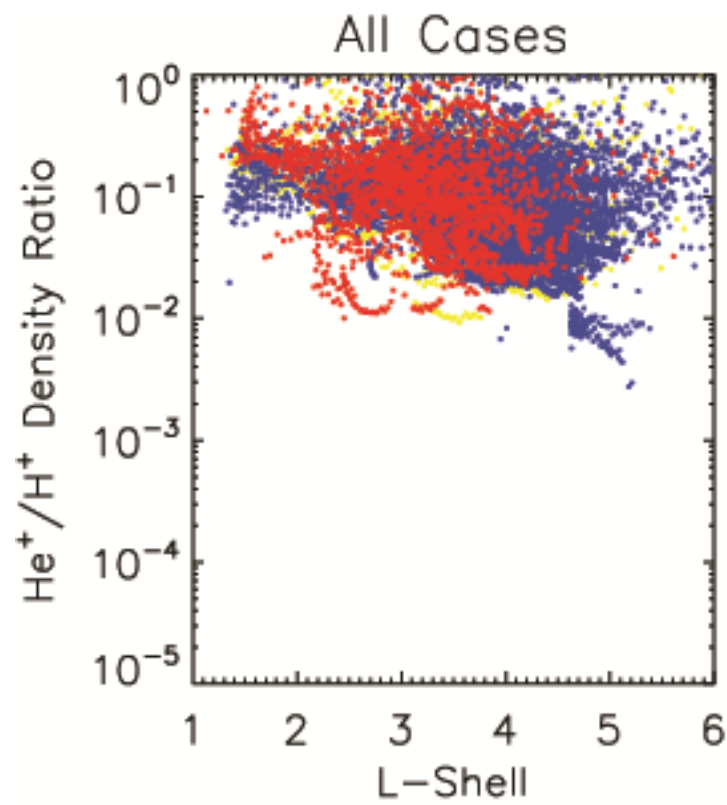
Density Ratios

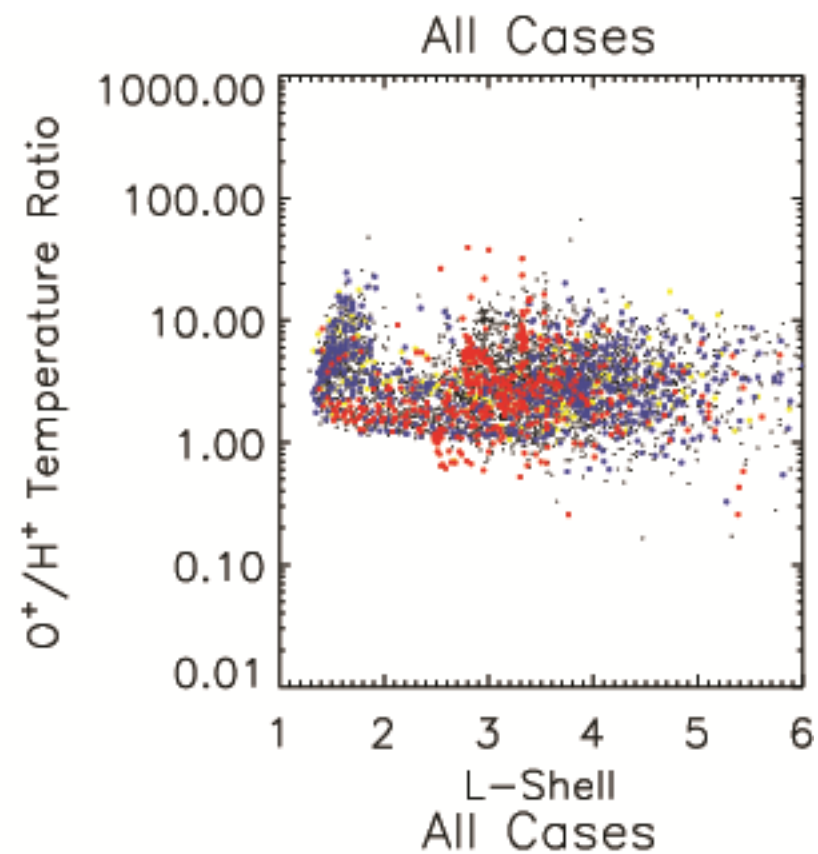
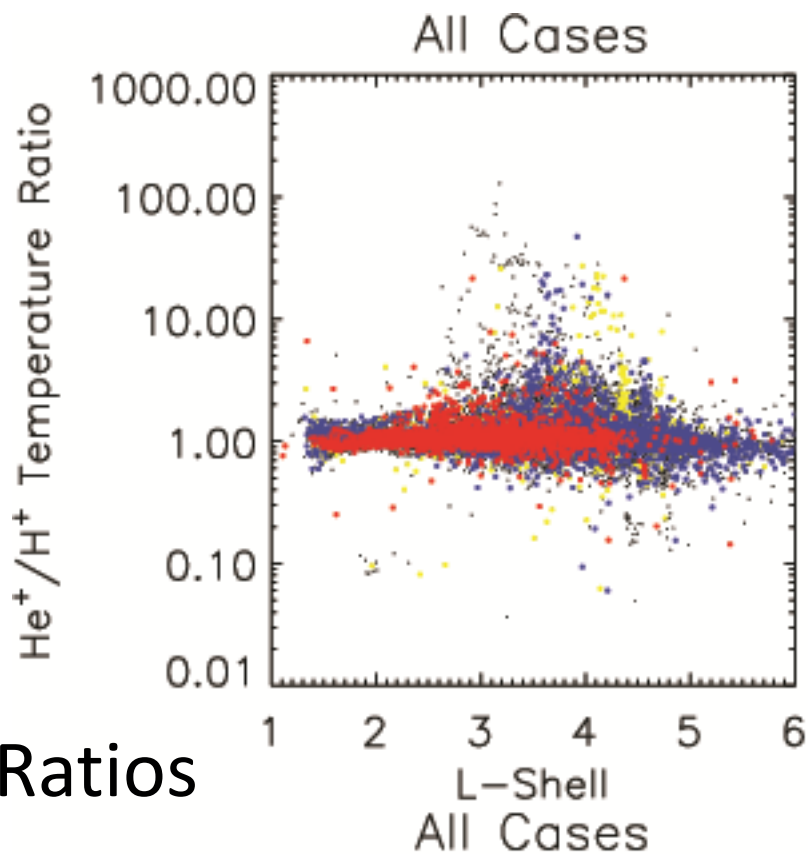
He⁺/H⁺

He⁺⁺/H⁺

O⁺/H⁺

O⁺⁺/H⁺





Temperature Ratios

He^+/H^+
 $\text{He}^{++}/\text{H}^+$
 O^+/H^+
 O^{++}/H^+

